

## **RHIC JOBS COMPLETION/REPAIRS SCHEDULE – Rev. 1**

### **RHIC SCHEDULED SHUTDOWN – MONDAY DEC. 22, 2003, 0700-1500HRS**

### **OPERATIONS – BOOSTER/AGS/ATR. BEAM TO “W” DUMP FOR STUDIES**

R. Zaharatos – Monday December 22, 2003

### **RHIC SHUTDOWN SCHEDULE**

Access to RHIC only. Beam studies in AtR during RHIC maintenance.

Monday 12/22/03

0700: Dump any stored beam and open (Restricted Access) all RHIC areas EXCEPT the dump regions.

0700: Access dump regions for HP survey. Put to RA after surveys completed.

1200: Open Berm over 12 o'clock (CAS).

1500: Begin sweeps, STAR to be swept last.

JOBS STATUS CODE: **C** complete **IP** in-process **RS** reschedule  
**CAN** cancelled \* additions

### **RHIC JOBS**

#### **Collider P.S – R. Zapasek**

- IP** 1. External p.s. work on spares as required.
- C** 2. Yellow Abort Kickers – investigate misfiring. **Installed new thyatron.**

#### **Vacuum Group – S. Gill**

- 1. Sect. 9 - Reset gauge controller yo9-tmp-pi10 and reopen Cryo Iso Valve
- 2. Check g8-tmp-pi1 cryostat iso valve closed – would not open remotely.
- 3. Check yo1-tmp-pi21 found foreline iso valve and cryo iso valve closed. Could only open foreline iso valve. Leak check?
- 4. 12 o'clock – swap polarity on solenoid
- 5. 2 o'clock – swap polarity on solenoid

#### **RF Group – N. Laloudakis**

- 1. Landau Cavity completion and interlocks recheck.(requires sect. 4 being secured for approx. 1hr.)

## **Beam Components and Instrumentation – D. Lehn**

### Sect. 7 & 8

#### 1. Collimators(8hrs)

- a) Troubleshoot remaining motion control problems
- b) Test and run as necessary

### Stochastic Cooling(8hrs):

- a) Complete Commissioning on Pickup Tank – Sector 11
- b) Begin commissioning of Kicker Tank -Sector 4

AC Dipole sect. 4(2hrs) – support breaker swap outs for amplifier racks(electricians)

Pin Diodes – Move electron Detector Pin Diode cables from 12 IR to 12 Warm Bore by new dipole

Hodoscopes – Make list of cable work needed due to JET Polarimeter Installation

BLM – Bad cable for G12-BLM7

Gap Cleaning – Check Chiller Reservoirs and check plumbing for small leaks

## **Access Controls**

1. Check operation of 2GE1 Gate

## **CRYO(Warkentien/Masi)**

### All Sectors

1. Fine tune thermistor flows through-out the ring in order to minimize the formation of ice balls(will require several maint. days)
2. Install new air line from tunnel to 1005 compressor room.(PE Plumbers)

## **High Frequency Instrumentation – B. Sikora**

1. Sect. 1 & 2 moveable BPM Schottky Cavity and Two Meter Kickers – access for fine tuning required after beam start-up.
2. QMM(Quad Monitor) – will also require access for tuning

## **Access Controls(Meany)**

1. Landau Cavity interlocks certification.

## **Tunnel Maintenance**

1. Water intrusion at 12 o'clk cryo feed through ceiling penetration
2. Water intrusion in Sect. 12 IR above Jet Target location

## **FES Division – A. Pendzick**

STAR – TPC – repair short(min. 9hrs.)

PHENIX - Experimenter access

8D8 Magnet in Sect. 10 – install hoses

### **Electricians(Nehring)**

1. Repair lighting in escape hatches 10z2, 9z1
2. Additional emergency lights in 1008

## **AGS(external)**

- RS 1. E10 Hse. UPS – Move alternate feed to same substation as normal feed.(Nehring)
- RS 2. Cyberex UPS – modification/repairs(Magoulis -3hrs). Switchover to external bypass expected to be transparent – **Feeds all the AGS ring gates, AGS crash, PASS system A & B, PASS BAF, SIEMENS equip iterlocks, SEB and AGS chipmunks, prime and redundant SEB and FEB sec, U,V,W,X,Y PLC power.**

## **AGS RING**

- RS 1. Clean-up North Conjunction Area. **Bring in spare vacuum chambers and sextupoles.**
- RS 2. Safety Related Work Requests – List for electricians.

## **BOOSTER EXTERNAL**

- RS 1. BPM's – continue cable terminations(Beam Comp. – requires Main Mag. Loto)

## **BOOSTER RING**

- RS 1. BPM's.(Bm. Comp.) – Connect cables(ring end) at E1-E4, E7 and redress cables at E8,(**E6, E7 not done**). External - phase match cables for A3/B1/C3/C5, repair shorts on C3 & D7 filter assemblies, and install air filter assemblies.(Bm. Comp Grp.) **To be scheduled – repair A3 open and C3 short.**
- RS 2. Check BXT10 ion gauge connections(Vacu. Grp.)

## **OTHER MACHINES ACCESS – NO ACCESS**

Linac HEBT/LTB –

HITL/HEBT -

NSRL Stub Tunnel –